

Lichttechnischer Prüfbefund

Familie
Streetlight 31 midi toolless

Bestell-Nr.: 5XH713AA08LA
EAN: 4069025513830

LP-Nummer
59800_3862



Ausführung Mastansatz- / Mastaufsatzmontage
Optik asymmetrisch strahlend (PL32)
Abdeckung Einscheibensicherheitsglas (ESG)
Bestückung LED 3000 K | CRI ≥ 70
Betriebsgerät EVG SITECO
Bemessungswerte Nettolichtstrom = 13360 lm
Systemleistung = 86.6 W
Lichtausbeute = 154.3 lm/W

Seriendokumentation
26.08.2025

siteco

Lichtstärke in cd/klm

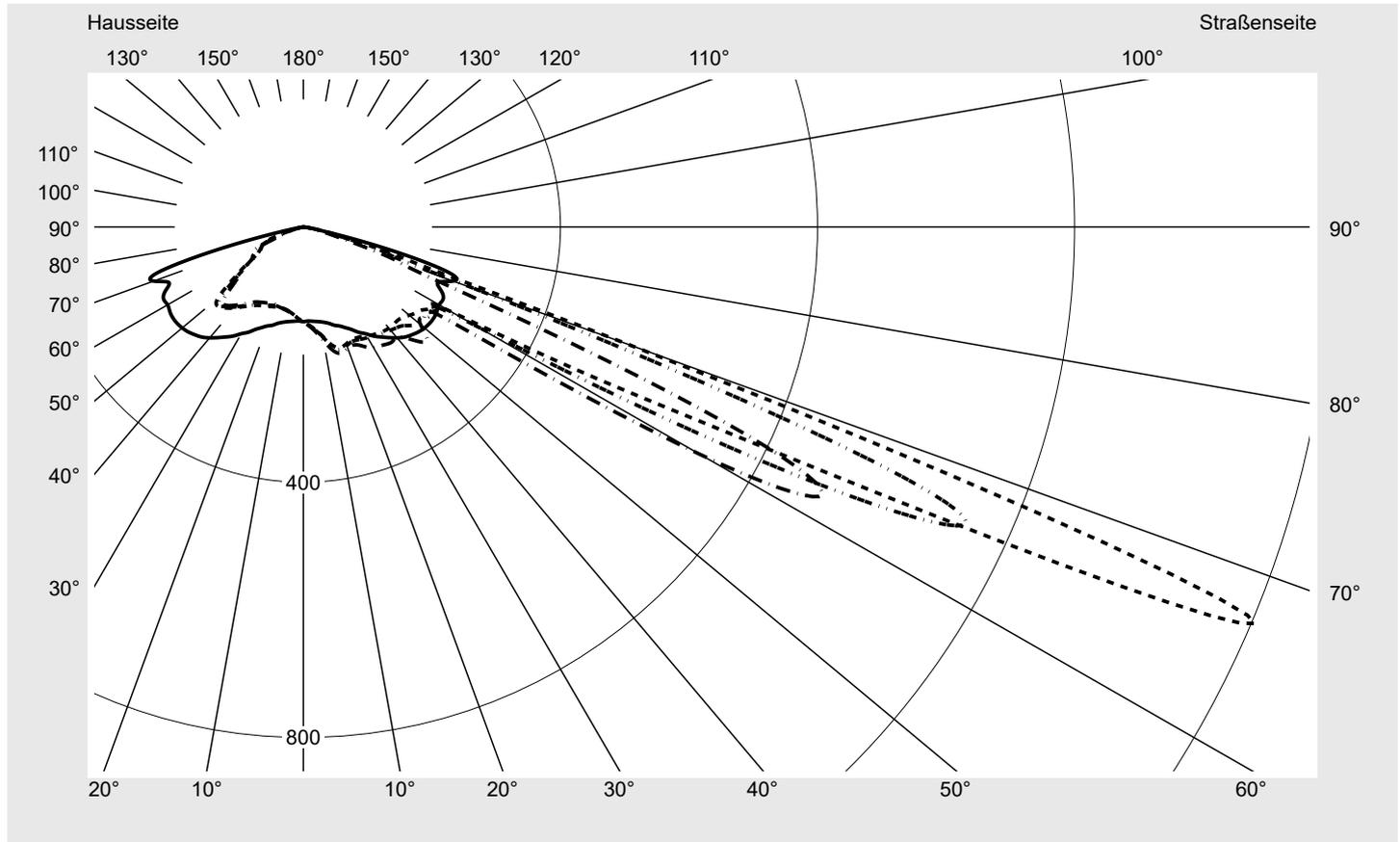
C180-0

C245-65

C250-70

C270-90

Imax: 1590 cd/klm



Leuchtenbetriebswirkungsgrade

Eta 100.0%
Eta 0° - 90° 100.0%
Eta 90° - 180° 0.0%

Lichtstärkeklasse nach EN13201-2

Klasse: G3
Imax 70° 732.5
Imax 80° 42.5
Imax 90° 0.0
Imax >90° 0.0
Imax >95° 0.0

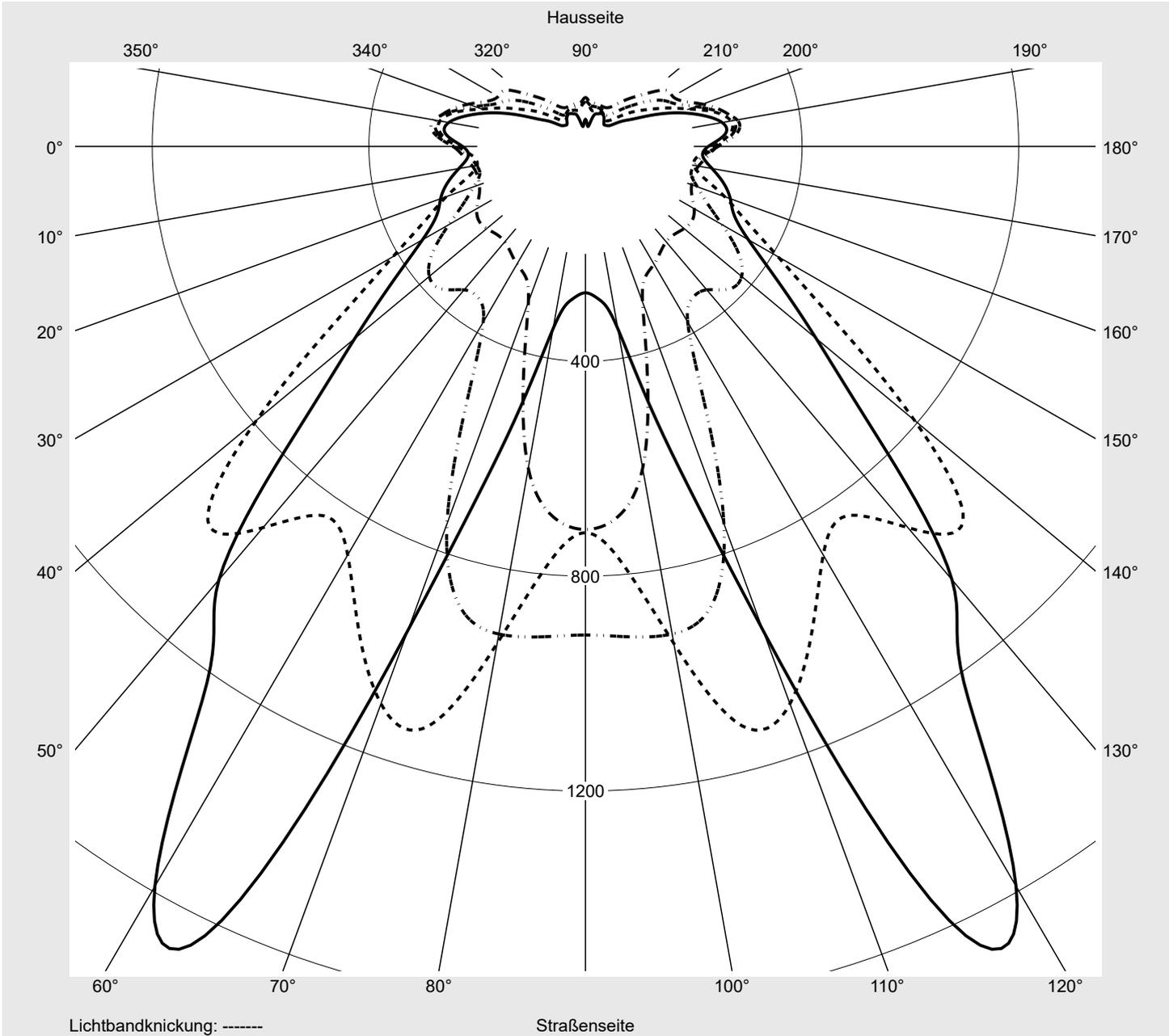
Messbedingungen

DIN EN 13032 und DIN 5032

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Kegelmantelkurven in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°** **siteco**



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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Lichtstärke in cd/klm												
0,0°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	147.5	147.7	148.2	148.8	149.3	149.7	150.1	150.5	151.0	151.2	151.6	152.0	152.3
5,0°	148.1	148.8	149.6	150.5	151.5	152.4	153.2	153.9	154.7	155.3	155.9	156.5	157.1
7,5°	149.3	150.3	151.6	152.8	154.2	155.5	156.6	157.8	159.2	160.4	161.7	162.9	164.0
10,0°	150.8	152.3	153.6	155.1	156.9	158.6	160.3	162.3	164.5	166.7	168.7	170.7	172.7
12,5°	153.2	154.9	156.6	158.7	161.0	163.3	165.3	167.1	169.4	172.2	175.8	179.6	183.1
15,0°	156.6	158.5	160.8	163.5	166.3	169.0	171.4	173.6	175.7	177.6	180.4	185.5	191.1
17,5°	161.5	163.7	165.7	168.4	171.4	174.3	177.0	179.5	181.8	183.8	185.5	187.5	192.4
20,0°	165.1	168.5	171.0	174.1	176.3	178.8	181.5	183.8	186.0	187.6	188.7	189.3	190.8
22,5°	170.7	173.7	176.7	179.6	182.3	183.8	185.7	187.4	188.8	189.6	190.1	190.2	190.2
25,0°	177.2	180.3	182.5	185.8	188.3	189.3	190.1	191.0	191.1	191.4	191.6	192.0	191.8
27,5°	185.9	187.9	189.7	191.7	194.6	195.2	194.7	194.3	194.0	193.7	193.9	193.9	193.7
30,0°	193.0	195.9	197.3	198.4	199.8	200.4	199.0	197.8	197.0	196.3	196.3	195.7	195.6
32,5°	202.5	203.8	204.8	205.0	204.9	205.6	203.7	201.6	199.4	198.4	198.6	198.6	199.0
35,0°	210.3	211.7	211.9	210.9	210.1	210.0	208.0	204.8	201.9	200.3	200.6	200.9	201.8
37,5°	218.4	218.5	218.4	216.2	214.8	213.6	210.9	207.5	204.3	202.5	202.1	202.7	204.0
40,0°	226.6	225.1	223.4	220.3	218.2	215.7	213.8	210.8	207.0	204.7	204.0	204.1	205.2
42,5°	233.9	229.3	226.2	222.7	220.0	216.1	214.2	213.0	209.1	206.7	205.1	204.2	205.2
45,0°	238.8	233.5	229.0	224.6	221.7	216.2	212.8	211.8	211.0	208.6	204.5	203.3	204.4
47,5°	243.2	236.1	230.3	225.1	221.5	216.3	212.1	210.9	212.5	209.4	204.2	202.8	204.8
50,0°	246.0	237.2	229.9	225.1	220.2	215.7	212.4	211.6	213.0	212.0	205.2	203.7	207.3
52,5°	247.8	236.6	228.3	223.7	218.6	215.2	213.5	211.8	210.7	212.9	207.8	206.9	211.4
55,0°	247.9	234.2	225.4	219.4	216.5	215.7	216.1	213.7	212.2	214.1	211.4	211.0	218.0
57,5°	246.4	228.9	221.1	214.7	212.3	214.4	219.6	220.1	220.0	219.1	218.0	220.4	228.4
60,0°	243.9	225.0	211.8	206.9	208.6	216.7	231.6	240.5	237.9	231.7	231.9	240.8	253.2
62,5°	245.1	216.4	204.0	202.1	219.7	247.1	291.2	344.6	376.5	375.3	348.5	344.6	377.6
65,0°	236.7	208.7	203.4	226.2	273.6	326.7	410.6	554.3	792.9	986.2	926.4	839.9	878.2
67,5°	226.9	217.7	237.4	264.1	284.6	303.0	347.4	430.5	556.2	758.6	1053.1	1218.6	1590.2
70,0°	247.8	237.5	209.5	169.9	135.0	120.2	130.6	174.7	263.5	365.7	478.5	659.1	732.5
72,5°	237.4	161.0	89.1	48.3	32.5	27.6	30.4	46.4	88.7	160.3	213.7	229.6	201.1
75,0°	143.2	55.4	21.7	14.2	13.6	13.8	14.9	18.8	28.2	61.4	101.5	106.9	95.1
77,5°	47.8	12.0	8.4	8.7	8.8	9.4	9.5	11.9	15.3	23.0	44.7	49.6	46.2
80,0°	13.7	5.3	5.2	5.5	5.6	5.7	6.0	6.7	8.9	11.1	18.7	22.1	20.1
82,5°	3.8	2.8	2.8	2.9	3.1	3.2	3.2	3.4	4.4	5.6	6.8	8.0	8.3
85,0°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.5	1.8	1.8	2.0	2.1
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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		siteco

C- Ebenen	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
γ	Lichtstärke in cd/klm												
0,0°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	152.7	153.0	153.2	153.2	153.4	153.5	147.3	146.7	146.6	146.4	146.0	145.8	145.7
5,0°	157.7	158.3	158.9	159.4	159.7	159.8	147.5	146.6	145.9	145.4	144.6	143.9	143.4
7,5°	164.8	165.6	166.6	167.6	168.5	168.9	148.1	146.7	145.7	144.6	143.5	142.5	141.5
10,0°	174.1	175.2	176.1	177.8	179.7	180.5	149.0	147.3	145.9	144.4	143.0	141.7	140.4
12,5°	186.1	188.0	188.5	190.1	192.9	194.3	150.8	148.8	147.0	145.2	143.5	141.9	140.2
15,0°	194.9	198.0	198.7	199.3	202.4	204.2	154.3	152.0	150.0	147.7	145.6	143.7	141.8
17,5°	197.2	200.0	201.4	200.6	203.1	205.6	158.6	155.9	153.1	150.5	148.2	146.3	144.5
20,0°	195.1	197.8	199.4	199.1	199.8	202.0	161.7	159.2	156.4	153.9	151.3	148.9	146.6
22,5°	192.1	194.9	196.8	197.2	198.2	200.5	166.8	164.9	162.7	159.7	156.7	153.4	150.1
25,0°	192.1	195.5	198.7	199.8	200.6	204.2	174.1	171.6	170.1	166.6	162.7	158.2	153.9
27,5°	193.7	197.8	203.2	205.9	206.1	212.2	182.4	180.0	177.2	174.5	169.6	164.3	158.6
30,0°	196.7	200.2	207.1	210.2	209.8	218.5	190.8	188.8	185.8	181.5	177.2	170.1	163.2
32,5°	200.4	202.9	207.4	209.5	209.7	221.2	199.9	198.2	195.3	190.2	183.6	177.8	169.1
35,0°	202.9	205.8	207.0	209.1	210.0	224.4	209.9	208.8	206.0	200.2	191.7	183.5	177.5
37,5°	205.5	207.9	208.8	209.9	211.5	226.8	219.1	219.1	216.5	210.2	201.5	192.0	184.1
40,0°	207.0	211.0	212.6	213.1	218.3	225.8	228.5	229.5	227.3	220.6	211.3	201.3	193.2
42,5°	207.4	214.2	217.3	222.1	232.8	235.9	237.6	239.8	238.5	230.8	220.7	210.2	201.3
45,0°	207.1	218.9	229.5	232.8	249.5	253.7	244.8	249.2	248.9	240.5	228.6	216.9	207.7
47,5°	209.7	228.2	240.7	241.1	256.8	261.3	251.4	257.6	256.9	247.5	234.2	221.7	212.8
50,0°	215.2	234.1	242.8	237.7	238.9	238.1	257.2	265.4	263.4	251.7	236.4	223.8	214.8
52,5°	220.9	235.8	236.6	229.8	233.4	232.8	261.7	271.8	267.6	251.8	235.1	223.1	213.7
55,0°	226.4	234.2	231.6	229.7	237.8	239.0	266.0	276.0	268.4	248.8	227.1	214.3	207.5
57,5°	233.5	241.3	246.5	256.4	286.3	304.6	270.1	278.4	265.8	240.1	211.7	198.4	196.3
60,0°	265.0	308.4	442.0	608.3	691.7	713.1	273.1	279.1	259.9	230.0	199.5	186.2	181.8
62,5°	512.4	747.5	889.7	921.7	916.4	909.5	280.5	284.4	253.3	217.1	186.3	169.9	148.4
65,0°	991.5	1104.2	1116.7	939.4	778.8	719.2	267.7	272.8	247.1	203.7	169.4	138.4	114.7
67,5°	1590.2	958.6	558.5	344.6	285.8	272.4	258.6	256.3	223.6	182.9	139.3	102.3	81.7
70,0°	537.1	294.1	225.4	185.0	161.2	154.1	255.2	236.8	199.7	151.2	100.0	71.6	52.6
72,5°	165.8	135.8	113.3	93.1	80.6	77.3	268.9	225.8	168.3	106.4	67.9	42.9	32.0
75,0°	81.3	69.7	58.1	47.9	41.3	39.0	209.6	194.3	131.3	68.9	39.4	24.4	21.9
77,5°	41.1	35.1	29.8	23.1	20.4	19.4	113.2	119.8	81.1	38.2	18.0	12.0	10.3
80,0°	19.4	18.5	14.4	12.2	10.1	9.5	35.9	42.5	34.6	17.3	8.0	5.5	5.5
82,5°	9.4	8.3	6.4	5.4	4.6	4.3	5.9	6.3	6.7	4.6	3.1	2.9	2.8
85,0°	2.8	2.5	2.1	1.7	1.6	1.6	1.2	1.2	1.3	1.3	1.2	1.2	1.3
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	0.8
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	0.2	0.2
2,5°	145.4	145.3	145.0	144.9	144.8	144.7	144.6	144.6	144.7	144.9	144.9	1.8	2.0
5,0°	142.7	142.2	141.7	141.3	140.9	140.6	140.4	140.3	140.3	140.3	140.3	3.6	5.6
7,5°	140.6	139.6	138.8	138.1	137.6	137.0	136.8	136.6	136.6	136.5	136.5	5.4	10.9
10,0°	139.1	138.0	136.9	136.1	135.2	134.5	133.9	133.6	133.7	133.7	133.6	7.3	18.2
12,5°	138.7	137.3	136.1	134.9	133.7	132.7	131.9	131.5	131.4	131.8	131.8	9.3	27.5
15,0°	140.0	138.1	136.2	134.7	133.4	132.2	131.4	131.0	130.7	130.7	130.7	11.4	38.8
17,5°	142.5	140.2	138.4	136.2	134.2	132.2	130.6	129.3	128.7	128.6	128.8	13.4	52.3
20,0°	144.2	141.9	140.0	137.4	135.3	133.0	131.0	129.5	128.6	128.3	128.7	15.4	67.7
22,5°	147.1	144.0	141.1	138.8	137.2	134.9	132.7	130.9	129.7	129.2	129.8	17.5	85.2
25,0°	150.2	146.7	143.4	140.7	138.4	136.9	134.9	132.9	131.3	130.7	131.5	19.8	105.0
27,5°	153.7	149.7	146.2	143.2	140.7	139.1	137.1	135.3	133.7	132.7	133.4	22.2	127.1
30,0°	157.3	153.1	149.3	146.2	143.5	141.8	140.3	138.2	136.7	135.6	136.0	24.6	151.7
32,5°	162.1	157.6	154.1	150.9	147.7	146.0	144.9	142.3	140.4	139.2	139.3	27.1	178.9
35,0°	169.0	164.0	160.6	157.1	153.9	151.5	149.5	147.5	145.4	144.5	145.2	29.8	208.7
37,5°	178.8	171.9	168.3	164.4	160.7	157.8	155.9	154.3	152.1	150.8	152.0	32.6	241.2
40,0°	185.7	181.5	176.5	172.6	168.7	165.3	163.3	161.4	159.8	158.8	159.4	35.4	276.7
42,5°	193.6	188.5	185.1	180.2	176.1	172.4	170.4	169.0	167.7	167.1	167.0	38.3	315.0
45,0°	200.4	194.5	191.9	186.5	182.4	178.5	176.3	175.0	173.8	173.2	172.7	41.1	356.1
47,5°	205.3	199.5	194.5	190.9	185.5	182.2	179.7	176.1	172.4	170.3	168.9	43.6	399.7
50,0°	208.4	201.3	194.6	191.6	184.2	173.6	162.9	154.0	148.2	146.2	145.4	44.8	444.5
52,5°	206.4	199.4	191.9	178.7	162.3	145.0	134.4	128.6	126.0	125.2	126.9	45.3	489.8
55,0°	200.5	191.0	170.8	149.3	134.4	119.4	111.2	108.0	106.6	106.9	113.6	45.5	535.3
57,5°	187.9	163.3	140.7	121.7	106.4	96.3	91.1	91.9	92.2	90.7	95.9	46.2	581.5
60,0°	156.2	131.6	111.6	93.4	83.4	80.7	81.0	81.4	81.8	83.6	91.0	54.7	636.2
62,5°	122.4	100.3	81.4	71.0	71.2	74.7	75.5	76.2	75.9	78.9	84.8	71.9	708.1
65,0°	91.4	71.9	62.2	62.1	67.3	71.5	71.2	69.9	68.0	76.5	82.1	98.8	806.9
67,5°	61.6	55.3	53.3	60.0	66.6	67.6	64.6	59.9	41.5	39.8	50.4	92.9	899.8
70,0°	41.4	43.0	52.6	58.9	58.4	53.9	42.9	19.0	17.9	28.3	40.2	49.4	949.3
72,5°	31.6	38.8	44.5	44.5	38.5	31.6	16.1	14.2	13.4	20.8	26.1	24.8	974.0
75,0°	25.4	29.3	31.2	27.4	22.3	15.1	12.2	10.5	9.6	12.1	13.2	14.0	988.0
77,5°	11.8	16.6	15.7	12.8	11.4	9.8	8.8	7.0	5.7	5.6	6.5	7.1	995.1
80,0°	5.8	6.3	6.9	6.8	6.3	5.8	5.2	4.0	2.9	1.7	1.4	3.1	998.2
82,5°	3.0	3.3	3.5	3.5	3.8	3.3	2.9	2.2	1.7	1.3	1.1	1.2	999.4
85,0°	1.3	1.4	1.5	1.5	1.5	1.5	1.4	1.3	1.1	1.0	1.0	0.4	999.8
87,5°	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.2	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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Dimmstufen-Tabelle		siteco
Umgebungstemperatur: 25°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13360	86.6	90.0	88.3
95	239	252	12683	81.4	84.5	83.0
90	225	250	12040	76.5	79.5	78.0
85	210	247	11337	71.3	74.1	72.7
80	196	245	10669	66.5	69.1	67.8
75	183	242	10037	62.1	64.5	63.3
70	169	239	9347	57.3	59.5	58.4
65	156	236	8695	52.9	54.9	53.9
60	143	233	8034	48.4	50.4	49.4
55	130	229	7360	44.0	45.7	44.8
50	117	226	6677	39.8	41.2	40.5
45	104	221	5985	35.5	36.8	36.2
40	92	217	5334	31.5	32.7	32.1
35	80	212	4678	27.6	28.6	28.1
30	68	206	4013	23.8	24.6	24.2
25	56	199	3335	20.0	20.7	20.4
20	44	190	2653	16.2	16.8	16.5
16	34	180	2077	13.1	13.5	13.3

Dimmstufen-Tabelle	Umgebungstemperatur: 5°C
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13650	87.7	91.2	89.4
95	239	252	12948	82.5	85.6	84.0
90	225	250	12280	77.5	80.5	79.0
85	211	247	11604	72.6	75.4	74.0
80	197	245	10915	67.8	70.4	69.1
75	183	242	10214	62.9	65.3	64.1
70	170	239	9556	58.4	60.7	59.6
65	157	236	8888	54.0	56.0	55.0
60	144	233	8212	49.5	51.4	50.4
55	131	230	7523	45.0	46.7	45.8
50	118	226	6827	40.6	42.2	41.4
45	105	222	6122	36.3	37.6	37.0
40	93	217	5460	32.3	33.5	32.9
35	81	212	4793	28.4	29.4	28.9
30	69	206	4118	24.5	25.4	25.0
25	57	199	3432	20.6	21.3	21.0
20	45	191	2740	16.9	17.4	17.2
15	34	180	2100	13.3	13.7	13.5

Lichttechnischer Prüfbefund

Familie Streetlight 31 midi toolless	Bestell-Nr.: 5XH713AA08LA EAN: 4069025513830	LP-Nummer 59800_3862
Dimmstufen-Tabelle		sITeco
Umgebungstemperatur: 15°C		

Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	13520	87.1	90.6	88.8
95	239	252	12830	81.9	85.0	83.4
90	225	250	12173	77.0	80.0	78.5
85	211	247	11506	72.1	74.9	73.5
80	197	245	10828	67.3	69.9	68.6
75	183	242	10136	62.5	64.9	63.7
70	170	239	9487	58.0	60.3	59.2
65	156	236	8775	53.3	55.3	54.3
60	143	233	8105	48.8	50.7	49.8
55	130	229	7422	44.4	46.0	45.2
50	118	226	6785	40.3	41.8	41.0
45	105	222	6086	36.0	37.3	36.6
40	93	217	5430	32.1	33.2	32.7
35	80	212	4712	27.8	28.8	28.3
30	68	206	4040	24.0	24.8	24.4
25	56	199	3358	20.2	20.9	20.5
20	45	191	2728	16.7	17.2	17.0
15	34	180	2091	13.2	13.6	13.4

office

industry

traffic

retail

public

sports

Lichttechnischer Prüfbefund

Familie

Streetlight 31 midi toolless

Bestell-Nr.: 5XH713AA08LA

EAN: 4069025513830

LP-Nummer

59800_3862

Lichtstrom-Tabelle

SITECO

Temperatur °C	Lichtstrom lm	Systemleistung W
25.0	13360.0	86.6
5.0	13650.0	87.7
15.0	13520.0	87.1